VEHH PERIODICAL CHECKS

Check list VEHH-001-EN Lift Periodic Maintenance

<u>N° N000001</u>

Work doc N°

	License plate:
Address:	Mileage / km:
	Type lift + serial <u>N°</u> :
	Date:

Client name:

City / Town:

• See user's manual of the tail lift manufactor for detailed info on the scope of each maintenance step ! •

1 • Preparation

□ cleaning of the complete HTL

2• Documentation check

Verify presence, readability, condition

- Identification sticker with serial number
- D Pictograms on the various control units
- □ Marking of the centre of gravity (load centre)
- □ Sticker with the loading diagrams
- Sticker with user's instructions
- □ Marking of safe working zone (if no foot controls)
- User's manual is available

3 Control devices

Verify general condition and operation, automatic return of all switches to the neutral 0-position, protection against corrosion, protection rubbers, condition and fixation of all electrical cables and their protection against damage (rubbing, squeezing,...)

- Exterior control box + its switches
- Lid of the exterior control box
- Compulsory 2-hand operation with safety switch
- □ Battery isolator switch in control box + function
- Dashboard switch in the vehicle cabin
- Electrical contacts in the exterior control box
- Foot controls + electrical cable
- □ Wander lead + spiral cable

- □ Fixed interior controls + electrical cable
- Connection of electrical cable on safety switch

4• Electrical installation

Verify general condition, protection against corrosion, good mounting and fixation of electrical cables and protection against damage (rubbing, squeezing,...), traces of overheating / burn marks, clearance from vehicle exhaust / braking circuit / drive & engine parts / moving parts of the HTL

- Battery & poles, grease battery poles against corrosion
- 100...300A main fuse, tighten fuse & grease
- (+) Battery and (-) earth cables at the vehicle battery/connecting point(s)
- □ (+) Battery and (-) earth cables at the HTL end
- Plug connections
- Cables & connections of the safety valves
- Cables & connections of auxiliary controls
- □ Cables & connections of foot controls and platform lights
- Cables & connections between control box and power pack
- Limit switches, pressure switches, reed sensors,...

5• Hydraulic pipes

Verify general condition, fitting & routing of all pipes, wear & damage to the outside rubber skin by rubbing / squeezing / sheering / ageing; the circuits are free from leaks in operation and at rest

- □ Hydraulic pipes, flexible and fixed
- □ Flexible hoses of retraction cylinder between chassis
- Hydraulic couplings
- □ All circuits are sealed, free from leaks

Remarks:

6• Hydraulic power pack

Verify general condition, condition of electrical cables and connections; verify the oil level & repair occurring oil leaks; verify (+) and (-) connections to the starter solenoid and the electromotor of the HTL

- ... Power pack and oil reservoir
- ... Mounting of the power pack to HTL frame or chassis
- ... Oil level, oil change
- ... Clean oil filter, purge the hydraulic circuits
- ... All circuits are sealed, free from leaks
- ... Starter solenoid & electromotor
- ... Connection block for electrical cables in power pack
- ... Control valves on main manifold block
- ... Pressure relief valve & maximum oil pressure

7• Hydraulic cylinders

Verify general condition and operation, absence of visible oil leaks; and verify condition of the rubber gaitors $% \left({\left[{{{\rm{cond}}} \right]_{\rm{cond}}} \right)$

- ... All cylinders, hydromotors
- ... Cylinder piston rods
- ... Rubber gaitors
- ... Electrical safety valves
- ... Springs of the tilt cylinders

8• HTL frame

Verify general condition, occurring cracks / deformation / corrosion; condition and locking of the articulation pins; wear of bearings / articulation bushes / rollers / articulation pins / slide pads

- ... HTL frame & lift arm
- ... Articulation bushes & pins
- ... Articulation points (platform hands & plates on frame)
- ... Brackets for the mechanical tilt at ground level
- ... Mounting plates & bolts + their locking; mounting & fixation to the vehicle chassis

9• Platform

Verify general condition, occurring cracks / deformation / corrosion; condition and locking of the articulation pins; wear of articulation bushes / pins / rollers

- ... Platform construction
- ... Articulation bushes & pins
- ... Platform rollers
- ... Roll-stops
- ... Platform lights & flags
- ... Mechanical platform lock

10• Slider HTL

Verify general condition, occurring cracks / deformation; alignment of the platform at the vehicle loading floor $% \left(\mathcal{A}^{(1)}_{1}\right) =0$

- ... Slide plates, slide blocks & rollers
- ... Sliding tubes & mounting bolts, mounting to the chassis
- ... End stops at front & rear in the sliding tubes, alignment of the platform at the vehicle loading floor
- ... Hydromotor + gearwheel syst. // hydr. retraction cylinder

11• Practical tests

Verify general condition and operation; normal behaviour of the HTL under all circumstances; stability and lift capacity

- ... Functional test with empty platform
- ... Dynamic test at 100% nominal capacity
- ... Overload test / adjustment of pressure relief valve

12• Greasing & finish

- ... Thorough greasing of all grease nipples
- ... Slider lifts with slide blocks: grease sliding tubes
- ... Replace defect grease nipples
- ... Fill-out maintenance report in user's manual

Remarks:																
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Date next maintenance: